

THREE NEW SPECIES FROM THE A. E. LAWRENCE COLLECTION

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The specimens hereinafter described were collected by A. E. Lawrence in 1932 in the western part of Boyacá, 50--100 km. northwest of Bogotá, Colombia, and the types are deposited in the herbarium of the New York Botanical Garden.

*PSITTACANTHUS DILATATUS* sp. nov. Frutex parasiticus glaber; ramis ramulisque crassis teretibus, maturitate rugosis fuscescentibus, ad nodos conspicue incrassatis continuis; petiolis incrassatis nigrescentibus rugosis 4--8 mm. longis, superne anguste alatis; laminis coriaceis viridibus oblongis, 9--14 cm. longis, 3--5.5 cm. latis, basi attenuatis, apice rotundatis, margine integris, utrinque dense stomatiferis, pinnatinerviis, costa crassa utrinque prominente, nervis secundariis 4 vel 5 in quoque latere adscendentibus, utrinque elevatis; inflorescentiis 2--5 in axillis foliorum, plerumque 4-floris, floribus binis; ramulis inflorescentiae stramineis subrugosis, pedunculo primario ca. 6 mm. longo, pedunculis secundariis 2--4 mm. longis, bracteis parvis; pedicellis 2--4 mm. longis; cupula patelliformi submembranacea margine integra apice 2--3 mm. diametro; calyculo carnosio cylindrico apice crenato-serrato, sub anthesi 4--5 mm. longo et 2.5 mm. diametro; perigonio carnosio coccineo distaliter luteo, maturitate 3.5 cm. longo, ad medium 1.5--2.5 mm. diametro, basi conspicue dilatato, saepe ad basin 6-lobato, lobis linearibus recurvatis, ca. 1.6 mm. latis, 3 mm. supra basin intus ligulas submembranaceas deltoideas ca. 1.5 mm. longas gerentibus, apice subacutis, margine ventrali minute hamulosis; filamentis carnosis ca. 12 mm. longis, prope medium perigonii adfixis, apice gracilibus; antheris dorsifixis, oblongis, 3--4 mm. longis, apice productis et obtusis; stylo perigonium aequante, stigmatibus ellipsoideo papilloso.

Type, Lawrence 108, collected May 24 in a dense tropical forest, altitude about 1200 m., in the Mt. Chapón region. It is a species related to the Amazonian *P. biternatus* (Hoffm.) Blume, from which it differs by having the leaves larger and attenuate rather than obtuse at the base, the flowers in pairs rather than ternate, and the perigonium glabrous rather than cinereous-pulverulent.

*SECURIDACA CRISTATA* sp. nov. Frutex scandens; ramis ramulisque teretibus glabris vel juventute pilosulis; petiolis rugosis canaliculatis mox glabris 6--9 mm. longis; laminis papyraceis viridibus glabris oblongis vel ovato-oblongis, 10--20 cm. longis, 7--11 cm. latis, basi subcordatis vel ro-

tundatis, apice breviter acuminatis (apice ipso obtuso), margine integris et leviter revolutis, costa supra impressa subtus prominente, nervis lateralibus primariis 5--7 in quoque latere arcuato-ascendentibus utrinque leviter elevatis, venulis reticulatis utrinque prominulis; inflorescentiis racemosis, rhachidibus 1 vel 2 in axillis foliorum 8--15 mm. longis minute puberulis, pedicellis mox glabris gracilibus 4--7 mm. longis, bracteis deciduis pilosis acutis 1.5 mm. longis subtentis; sepalis 3 exterioribus deltoideo-ovatis 3 mm. longis et latis, utrinque minute puberulis, margine membranaceis; sepalis 2 interioribus membranaceis multinerviis oblongo-orbicularibus, ca. 7 mm. longis et latis, glabris vel margine ciliatis, apice rotundatis vel emarginatis, unguiculo angusto; carina cucullata glabra ecristata 7 mm. longa, basi subito angustata; petalis superioribus spatulato-oblongis 7 mm. longis, intus basi pilosulis; filamentis prope ad apices connatis, tubo intus piloso, antheris oblongis 0.8 mm. longis; ovario glabro anguste alato, stylo superne curvato; fructo sublignoso, absque ala subgloboso 22--25 mm. diametro, conspicue reticulato-venoso, ala obliqua unilateralis, ca. 20 mm. longa et basi 20 mm. lata, venis elevatis parallelis striata.

Type, Lawrance 174, collected June 7 on edge of a high forest in the Mt. Chapón region. The type bears flowers which are said to be yellow. Lawrance 259 is another collection from the same locality, of which the fruits are above described. It is a species closely related to the Amazonian *S. Corytholobium* A. W. Benn., from which it differs by having the inflorescence racemose rather than subfasciculate, the pedicels only about one-third as large, and the filaments more highly connate. The fruit of the new species is more decidedly globose and bears a larger spur than that of *S. Corytholobium*. In leaf character, *S. cristata* has the base subcordate or rounded rather than subacute, the apex short-acuminate rather than merely acute, and the costa impressed rather than plane.

*ESCHWEILERA SESSILIS* sp. nov. Arbor pulchra glaberrima 18--25 m. alta, trunco ad 1 m. diametro; ramulis cinereis subteretibus striatis versus apices lenticellatis; petiolis crassis nigrescentibus rugosis canaliculatis 5--8 mm. longis; laminis rigide coriaceis viridibus opacis oblongis vel ovato-oblongis, 8--11 cm. longis, 3--5 cm. latis, basi acutis, apice breviter acuminatis (apice ipso obtusis), margine cartilagineis et obsolete serrulatis, utrinque parce punctato-granulosis, pinnatinerviis, costa crassa utrinque prominente, nervis lateralibus primariis 8--10 in quoque latere arcuato-ascendentibus prope marginem anastomosantibus, venulis copiosissime reticulatis utrinque elevatis; racemis axillaribus vel terminalibus saepe paniculas simulantibus; rhachidibus angulatis vel subteretibus lenticella-

tis 2--8 cm. longis 6--20-floris; floribus majusculis subsessilibus, pedicellis crassis ad 1 mm. longis; hypanthio carnosio rugoso dense lenticellato sub anthesi 4--5 mm. longo; sepalis aequalibus carnosis verrucosis ovato-deltoideis, 2 mm. longis, 2--2.5 mm. latis, apice obtusis, margine membranaceis; petalis tenuiter carnosis reticulato-venosis ovatis leviter falcatis, maximis 20 mm. longis et 13 mm. latis, apice rotundatis, basi angustis; androphoro explanato ca. 35 mm. longo, ligula 11--12 mm. lata, galea carnosia 12--18 mm. diametro dense echinata, appendiculis anantheris imbricatis linearibus acutis 3--5 mm. longis oblecta, staminibus 150--200, filamentis carnosis ca. 1.5 mm. longis distaliter incrassatis apice gracilibus, antheris oblongo-ovoideis 0.5--0.6 mm. diametro basifixis; ovario semisupero (vertice rugoso conico sub anthesi supra disco 2 mm. exstato), biloculari, septo fragili, ovulis 3 vel 4 ovoideis sessilibus erectis.

Type, Lawrence 239, collected June 17 in a forest, altitude about 2100 m., on Mt. Chapón. The collector notes that the flowers are purple with yellow stamens. It is a species related to the Venezuelan *E. Fendleriana* Miers, from which it differs by having the leaves somewhat larger, the venation more prominent on the upper surface, and the flowers subsessile rather than long-pedicellate. The latter character is very consistent, and in addition the flower-parts, especially the sepals, of the new species are smaller than those of *E. Fendleriana*.

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